

Facility ID: 1652100002 Issuance type: Final State Permit To Operate

This version of facility specific terms and conditions was converted from a database format to an HTML file during an upgrade of the Ohio EPA, Division of Air Pollution Control's permitting software. Every attempt has been made to convert the terms and conditions to look and substantively conform to the permit issued or being drafted in STARS. However, the format of the terms may vary slightly from the original. In addition, although it is not expected, there is a slight possibility that a term and condition may have been inadvertently "left out" of this reproduction during the conversion process. Therefore, if this version is to be used as a starting point in drafting a new version of a permit, it is imperative that the entire set of terms and conditions be reviewed to ensure they substantively mimic the issued permit. The official version of any permit issued final by Ohio EPA is kept in the Agency's Legal section. The Legal section may be contacted at (614) 644-3037.

In addition to the terms and conditions, hyperlinks have been inserted into the document so you may more readily access the section of the document you wish to review.

Finally, the term language under "Part II" and before "A. Applicable Emissions Limitations..." has been added to aid in document conversion, and was not part of the original issued permit.

- [Go to Part II for Emissions Unit F003](#)
- [Go to Part II for Emissions Unit F004](#)
- [Go to Part II for Emissions Unit P005](#)
- [Go to Part II for Emissions Unit P006](#)

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Facility ID: 1652100002 Emissions Unit ID: F003 Issuance type: Final State Permit To Operate

[Go to the top of this document](#)

**Part II - Special Terms and Conditions**

This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

1. For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
  - (a) None.
2. For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
  - (a) None.

**A. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Raw material handling and crushing--Plant Five--truck dumping and feeder, apron feeder and belt conveyors, Stevenson roll crusher, crushed material storage bin	OAC 3745-17-07 OAC 3745-17-08	20% opacity as a 3-minute average See A.2.a below.

**2. Additional Terms and Conditions**

- (a) The permittee shall employ reasonable available control measures to prevent fugitive dust from becoming airborne. Such measures shall include, but not be limited to the following:
  - i. The drop height for raw material transfers shall be minimized to the extent possible in order to minimize or eliminate visible emissions of fugitive dust.
  - ii. The equipment and operations shall be situated and conducted within enclosures in order to reduce fugitive dust emissions.

The permittee shall improve existing enclosures, install new enclosures, wet suppression devices or other controls if existing facilities are unable to adequately contain fugitive dust emissions.

**B. Operational Restrictions**

1. None

**C. Monitoring and/or Record Keeping Requirements**

1. None

**D. Reporting Requirements**

1. None

**E. Testing Requirements**

1. Compliance with the emission limitation in Section A.1 of these terms and conditions shall be determined in accordance with the following method:  
Emission Limitation:  
20 percent opacity as a 3-minute average  
Applicable Compliance Method:  
OAC rule 3745-17-03(B)(3)

**F. Miscellaneous Requirements**

1. None

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Facility ID: 165210002 Emissions Unit ID: F004 Issuance type: Final State Permit To Operate

[Go to the top of this document](#)

**Part II - Special Terms and Conditions**

This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

1. For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
  - (a) None.
2. For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
  - (a) None.

**A. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Raw material handling and crushing--Plant	OAC 3745-17-07	20% opacity as a 3-minute average
Four--truck dumping and feeder, apron feeder, conveyors & bucket elevator, McLanahan roll crusher & secondary crusher, crushed material storage bin	OAC 3745-17-08	See A.2.a below.

**2. Additional Terms and Conditions**

- (a) The permittee shall employ reasonable available control measures to prevent fugitive dust from becoming airborne. Such measures shall include, but not be limited to the following:
  - i. The drop height for raw material transfers shall be minimized to the extent possible in order to minimize or eliminate visible emissions of fugitive dust.
  - ii. The equipment and operations shall be situated and conducted within enclosures in order to reduce fugitive dust emissions.

The permittee shall improve existing enclosures, install new enclosures, wet suppression devices or other controls if existing facilities are unable to adequately contain fugitive dust emissions.

**B. Operational Restrictions**

1. None

**C. Monitoring and/or Record Keeping Requirements**

1. None

**D. Reporting Requirements**

1. None

**E. Testing Requirements**

1. Compliance with the emission limitation in Section A.1 of these terms and conditions shall be determined in accordance with the following method:  
Emission Limitation:

20 percent opacity as a 3-minute average

Applicable Compliance Method:

OAC rule 3745-17-03(B)(3)

**F. Miscellaneous Requirements**

1. None

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Facility ID: 165210002 Emissions Unit ID: P005 Issuance type: Final State Permit To Operate

[Go to the top of this document](#)

**Part II - Special Terms and Conditions**

This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

1. For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
  - (a) None.
2. For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
  - (a) None.

**A. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Gas fired continuous tunnel kiln--Plant Five- -kiln two	OAC 3745-17-07	20% opacity as a 6-minute average, except as provided by rule
	OAC 3745-17-11	9.49 lbs/hr of particulate matter (based on 7,000 lb/hr process rate)

2. **Additional Terms and Conditions**
  - (a) None

**B. Operational Restrictions**

1. None

**C. Monitoring and/or Record Keeping Requirements**

1. None

**D. Reporting Requirements**

1. None

**E. Testing Requirements**

1. Compliance with the emission limitations in Section A.1 of these terms and conditions shall be determined in accordance with the following methods:  
 Emission Limitation:  
 20 percent opacity as a 6-minute average  
 Applicable Compliance Method:  
 OAC rule 3745-17-03(B)(1)  
 Emission Limitation:  
 9.49 lbs/hr of particulate matter  
 Applicable Compliance Method:  
 Multiply the particulate emission factor (AP-42, Table 11.3-2, dated 1/95) of 0.023 pound per ton of brick produced by the maximum process rate of 3.15 tons per hour. Also, emission tests may be required in accordance with USEPA methods 1 - 5.

**F. Miscellaneous Requirements**

1. None

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Facility ID: 165210002 Emissions Unit ID: P006 Issuance type: Final State Permit To Operate

[Go to the top of this document](#)

**Part II - Special Terms and Conditions**

This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

1. For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
  - (a) None.

- 2. For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

- (a) None.

**A. Applicable Emissions Limitations and/or Control Requirements**

- 1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Gas fired continuous tunnel kiln--Plant Five- -kiln three	OAC 3745-17-07  OAC 3745-17-11	20% opacity as a 6-minute average, except as provided by rule  9.49 lbs/hr of particulate matter (based on 7,000 lb/hr process rate)

- 2. **Additional Terms and Conditions**

- (a) None

**B. Operational Restrictions**

- 1. None

**C. Monitoring and/or Record Keeping Requirements**

- 1. None

**D. Reporting Requirements**

- 1. None

**E. Testing Requirements**

- 1. Compliance with the emission limitations in Section A.1 of these terms and conditions shall be determined in accordance with the following methods:  
Emission Limitation:

20 percent opacity as a 6-minute average

Applicable Compliance Method:

OAC rule 3745-17-03(B)(1)

Emission Limitation:

9.49 lbs/hr of particulate matter

Applicable Compliance Method:

Multiply the particulate emission factor (AP-42, Table 11.3-2, dated 1/95) of 0.023 pound per ton of brick produced by the maximum process rate of 3.15 tons per hour. Also, emission tests may be required in accordance with USEPA methods 1 - 5.

**F. Miscellaneous Requirements**

- 1. None